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- №. 192269 –
CLASS 68*d*. GROUP 26.

HINRICH KRUSE IN HAMBURG.

Locking device for windows, doors, trunk lids and the like in the form of a joint rod, which is held either in the stretched or in the bent position by means of a spring.



IMPERIAL PATENT OFFICE
PATENT SPECIFICATION

- No. 192269 -
CLASS 68d. GROUP 26.

HINRICH KRUSE IN HAMBURG.

Locking device for windows, doors, trunk lids and the like in the form of a joint rod, which is held either in the stretched or in the bent position by means of a spring.

Patented in the German Empire on September 9, 1906.

The present invention relates to a joint rod, which serves as a locking device for doors, windows, trunk lids, stepladders etc. in the open position and which is held either in the stretched or in the bent state beyond a dead-center position by means of a spring, the force of which must be overcome when transferring the joint rod from one position into the other up to the dead-center position, and which acts on the bringing about of the other position. In the stretched position of the joint rod, the doors, windows, etc. are locked in the open position. In the bent position of the joint rod, they are kept shut using a force corresponding to the spring force. The invention consists in providing the rod with an extendable design (thus with adjustable length) in order to be able to freely select the angle included between the doors, windows, trunk lids etc. to be locked in the open position.

Fig. 1 and 2 of the drawings show an exemplary embodiment of the locking device used in a container that can be closed by a lid.

The arms *a, a*, which are bent toward the articulation point *b*, are articulated at the articulation point *b*. A helical spring *c*, the ends of which are fixed to the two arms *a, a*, tries to draw the outer ends of the arms *a* close to each other. Since the outer ends of the arms *a, a* are pivotally fixed firstly to the box *d* and secondly to the lid *e* at points *f*, the tension of the spring *c* secures either the open position

(Fig. 1) or the closed position (Fig. 2) of the lid *e*.

If the lid *e* now must be brought out of the closed position shown in Fig. 2 into the secured open position, the two arms *a, a* are opened by overcoming the force of the spring *c* during the pivoting of the lid *e* about its joint *g* until the arms *a, a* go beyond the dead-center position in their joint *b*. The action of the spring *c*, which attempts to bring the arms *a, a* close to each other, holds the lid in the desired open position, which is delimited by stops, if appropriate (Fig. 1).

According to the invention, a two-piece design of one or both the arms *a, a* enables an adjustment of the length of the arms. This length adjustment, which can be secured using clamp screws *h* or any other means known from the prior art, permits part *e* to be opened at a larger or smaller angle in relation to part *d*, depending on requirements.

CLAIM:

Locking device for windows, doors, trunk lids and the like, in the form of a joint rod, which is held either in the stretched or in the bent position by means of a spring, said locking device being characterized in that one or both the arms (*a, a*) are arranged such that they can be extended in a manner known per se for the purpose of being able to freely select the angle

included between part (e) and part (d) in the
open position.

1 page of drawings.

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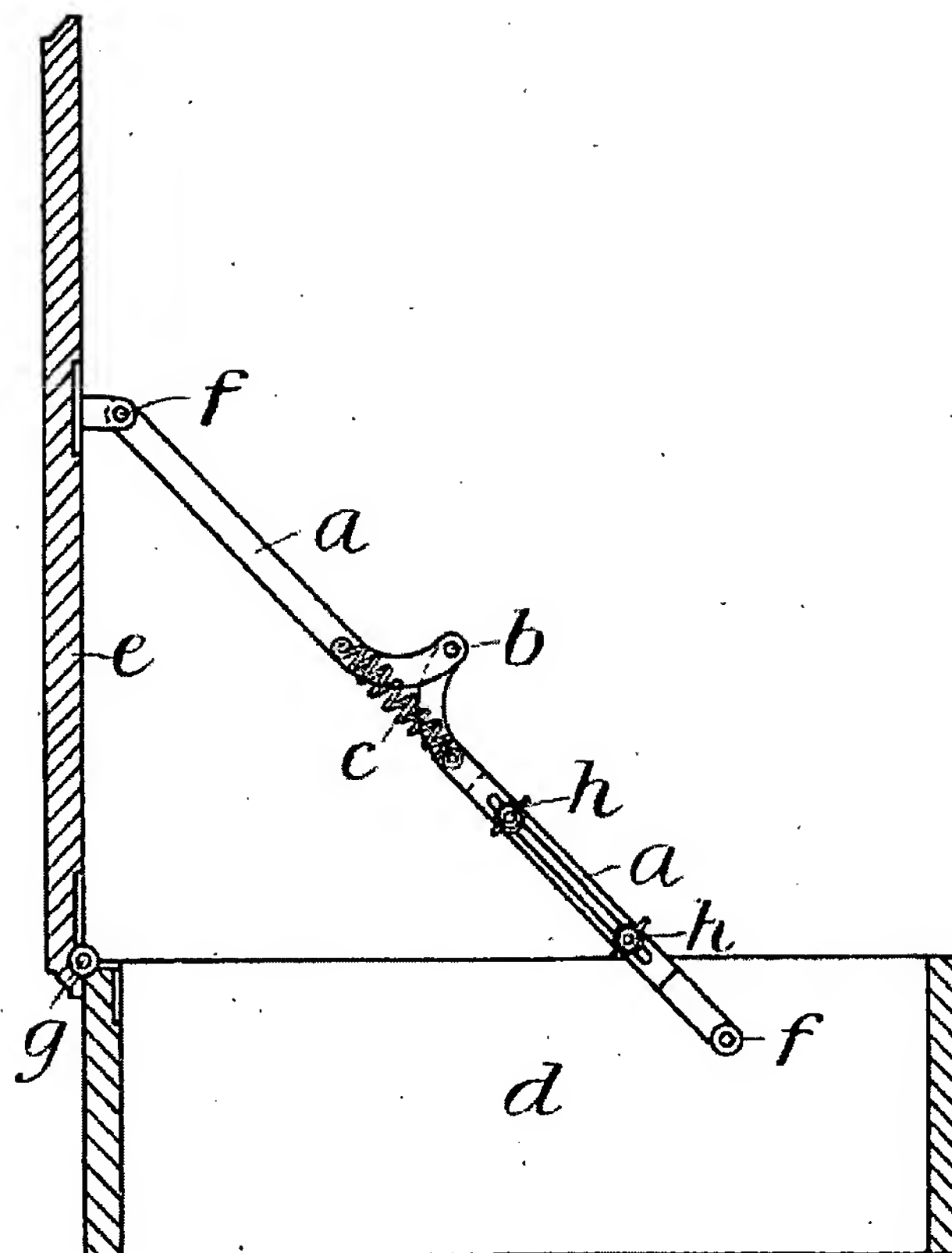


Fig. 1.

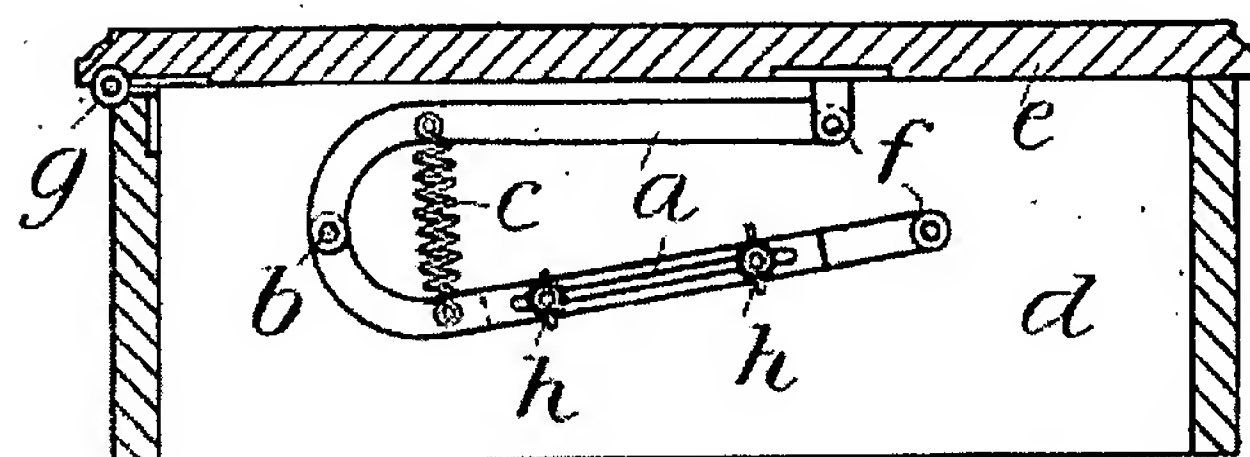


Fig. 2.